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#### Europäisches Patentamt

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Zweigstelle in Den Haag Recherchenabteilung

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Département à La Haye Division de la recherche

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EINGEGANGEN

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Dr. Gassner & Partner
Patentanwälte

Datum/Date	0 1,	12.	04	

Zeicher/Ref./Réf. 432981GA	

Anmeldung Nr/Application No/Demande n°/Patent Nr /Patent No/Brevet n°. 03021363.1 -

Anmelder/Applicant/Demandeur/Patentinhaber/Proprietor/Titulaire

The European Patent Office herewith transmits

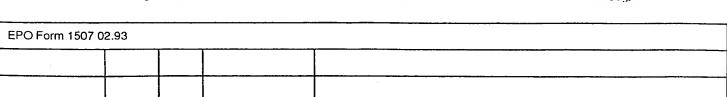
MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD.

# COMMUNICATION

X	the European search report			
	the declaration under Rule 45 EPC	:		
	the partial European search report	under Rule 45 EPC		
		ch report concerning the international application und uropean patent application. Copies of the documents		* *
The followin	ng specifications given by the applica	ant have been approved by the Search Division:		
図	Abstract	☐ Title	X	Figure
	The abstract was modified by the S	earch Division and the definitive text is attached to the	is com	munication.
	The following figure will be published the invention than the one indicated	d with the abstract, since the Search Division conside by the applicant.	ers tha	t it better characterises
	Figure:			
Ø	Additional copy(copies) of the docu	ments cited in the European search report. $(02)$		
			a <sup>s</sup>	aisches Patentam,

## REFUND OF THE SEARCH FEE

If applicable under Article 10 Rules relating to fees, a separate communication from the Receiving Section on the refund of the search fee will be sent later.





### **EUROPEAN SEARCH REPORT**

Application Number EP 03 02 1363

	Citation of document with in	RED TO BE RELEVANT	Relevant	CLASSIFICATION OF THE
Category	of relevant passa		to claim	APPLICATION (InLCI.7)
X	WO 02/065782 A (KON) ELECTRONICS NV) 22 August 2002 (2002 * abstract; figures * page 5, line 4 - p	2-08-22) 1-5 *	1-4, 14-17	G10L11/00 G06F17/30 G11B27/11
Y A	* page 3, Tille 4	Jage 0, 1111e 22 *	31,33,34 32	
X		·	1,5	
X	RECORDINGS" IEEE TRANSACTIONS OF IEEE, INC. NEW YORK vol. 49, no. 4, Apr pages 898-908, XP00 ISSN: 1053-587X * abstract *	OUSLY DISTORTED MUSICAL N SIGNAL PROCESSING, US, 11 2001 (2001-04), 1200087  and column, line 29 -	1,6,8,1	TECHNICAL FIELDS SEARCHED (Int.CI.7)  G10L G06F G11B
Α	for online audiovis and classification" IEEE TRANSACTIONS O PROCESSING, IEEE IN	C. NEW YORK, US, 2001 (2001-05), pages 4 nd column, line 1 -	1,6,8,1	
*	The present search report has	been drawn up for all claims	1	
	Place of search	Date of completion of the search	- <del>1</del>	Examiner
	Munich	5 November 2004	Zi	mmermann, E
CATEGORY OF CITED DOCUMENTS  T: theory or principl E: earlier patent do X: particularly relevant if taken alone Y: particularly relevant if combined with another document of the same category  T: theory or principl E: earlier patent of after the filing da L: document cited f		le underlying the cument, but pute te in the application for other reason	e invention blished on, or on os	



### **EUROPEAN SEARCH REPORT**

	DOCUMENTS CONSIDE	RED TO BE RELEVANT				
Category	Citation of document with ind of relevant passa		Releva to clair	ant n	CLASSIFICAT APPLICATION	
X	PUBL. AMSTERDAM, NL, vol. 22, no. 5, Apri pages 533-544, XP004	nt-based retrieval" LETTERS, NORTH-HOLLAND 1 2001 (2001-04),	1			
Α	ISSN: 0167-8655  * abstract; figure 2  * page 543, left-han line 28 *	* d column, line 24 -	6,8,1	1		
Α	"TEXT OF ISO/IEC CD TECHNOLOGY - MULTIME DESCRIPTION INTERFAC ISO/IEC JTC1/SC29/WG 14 March 2001 (2001- * paragraph '4.3.17!	DIA CONTENT E - PART 4 AUDIO" HI NWXYZ, -03-14), XP002304125	18-20			
Α	AL) 19 December 2000 * abstract *	(ERT ARTHUR GERALD ET (2000-12-19) - column 5, line 19;	18-20		TECHNICAI SEARCHED	
Α	NEURAL NETWORK-BASEI SPEECH UNDER STRESS IEEE TRANSACTIONS OF PROCESSING, IEEE IN vol. 4, no. 4, July 307-312, XP00078530 ISSN: 1063-6676 * abstract *	" N SPEECH AND AUDIO C. NEW YORK, US, 1996 (1996-07), pages	18-20			
	The procest energy report has	hoon drawn up for all claims	_			
	The present search report has	Date of completion of the search			Examiner	
	Place of search	5 November 2004		7 i m	mermann,	F
	Munich				·	
Y: pa do A: te O: n	CATEGORY OF CITED DOCUMENTS articularly relevant if taken alone articularly relevant if combined with anot ocument of the same category ichnological background on-written disclosure termediate document	E : earlier patent d after the filing d	ocument, b late I in the app I for other re	ut publication easons	ished on, or	



# **EUROPEAN SEARCH REPORT**

Category	Citation of document with indi of relevant passag		Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.CI.7)
Х	GHIAS A ET AL: "QUENTINFORMATION RETRIEVALDATABASE" PROCEEDINGS OF ACM MUTANCISCO, NOV. 5 - 9 ACM, US, 5 November pages 231-236, XP0009	RY BY HUMMING MUSICAL IN AN AUDIO JLTIMEDIA '95 SAN 9, 1995, NEW YORK, 1995 (1995-11-05),		
Δ	ISBN: 0-201-87774-0		23	
A	* abstract * * page 232, left-handline 37 * * page 233, right-halline 23 *			s.
X	WO 95/27976 A (HAL T 19 October 1995 (199 * page 28, line 14 - figures 6,7 *	5-10-19) page 31, line 17;	25-28	
A	* page 50, line 28 - CHAKRABORTY B ET AL: evaluation using fuz INTELLIGENT INFORMAT ANZIIS-95. PROCEEDIN AUSTRALIAN AND NEW Z PERTH, WA, AUSTRALIA YORK, NY, USA, IEEE, 220-225, XP010295593 ISBN: 0-86422-430-3 * page 222, line 25	"Feature subset zy measures" ION SYSTEMS, 1995. IGS OF THE THIRD EALAND CONFERENCE ON 27 NOV. 1995, NEW US, 1995, pages	25-30	TECHNICAL FIELDS SEARCHED (Int.CI.7)
	The present search report has b	een drawn up for all claims		
<b> </b>	Place of search	Date of completion of the search		Examiner
	Munich	5 November 200	4 Zii	mmermann, E
Y:p	CATEGORY OF CITED DOCUMENTS articularly relevant if taken alone articularly relevant if combined with anoth ocument of the same category chnological background on-written disclosure itermediate document	E : earlier paten after the filing ner D : document ci L : document ci	ted in the applicatio ed for other reason	blished on, or on s

EP 03 02 1363

Category	Citation of document with inc of relevant passa		Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.CI.7)
X	POLITIS D ET AL: "A indexing scheme for multimedia databases MELECON 2000. 10TH. ELECTROTECHNICAL CON vol. 2, 29 May 2000 725-728, XP010517893 * abstract; figure 2 * page 726, left-har right-hand column, left-hand column, left-h	dynamic content " MEDITERRANEAN IFERENCE, IEEE, (2000-05-29), pages 3 2 * nd column, line 2 -	25,26	·
Ē	EP 1 391 876 A (SON) 25 February 2004 (20 * abstract; figure 1	004-02-25)	25-30	
ſ	WO 01/28240 A (KONII NV) 19 April 2001 (2 * abstract * * page 2, line 7 - !* page 4, line 27 -	line 12 *	31,33,34	
A	* page 11, line 12		32	TECHNICAL FIELDS SEARCHED (Int.CI.7)
Y	US 5 973 723 A (DEL 26 October 1999 (19 * abstract; figure * column 2, line 19	99-10-26)	33	
4	US 5 708 477 A (FOR AL) 13 January 1998 * abstract * * column 2, line 21		31-34	
Α.	DE 36 34 750 A (THO 14 April 1988 (1988 * column 3, line 61 figure 2 *		32	
	The present search report has			
	Place of search Munich	Date of completion of the search  5 November 2004	Zi	Examiner mmermann, E
X : pa Y : pa do A : te	CATEGORY OF CITED DOCUMENTS inicularly relevant if taken alone inicularly relevant if combined with anol current of the same category chnological background on-written disclosure	T : theory or princi E : earlier patent d after the filing d ther D : document cited L : document cited	ple underlying the ocument, but put late in the application for other reason	e invention blished on, or



Application Number EP 03 02 1363



The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

1. claims: 1-5, 14-17

1.1. claims: 1-5

Feature quantity extraction with a particular division of the frequency spectrum.

1.2. claims: 14-17

Feature quantity extraction involving determination of effective values to derive feature quantities.

2. claims: 6-13

Feature quantity extraction involving determination of peak values to derive feature quantities.

3. claims: 18-20

Feature quantity extraction involving determination of a cross-correlation in band spectra to derive feature quantities.

4. claims: 21-24

Feature quantity extraction involving determination of a cross-correlation in a time domain to derive feature quantities.

5. claims: 25-30

Feature quantity extraction involving determination of an envelope curve for calculating values related to respective extremums of the envelope curve as feature quantities.

6. claims: 31-34

Program recording / reproduction apparatus wherein operation is controlled depending on a feature comparison.

Please note that all inventions mentioned under item 1, although not necessarily linked by a common inventive concept, could be searched without effort justifying an additional fee.



This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

05-11-2004

	atent document d in search report		Publication date		Patent family member(s)	Publication date
WO	02065782	Α	22-08-2002	CN	1461565 T	10-12-200
	32333.42			EP	1362485 A1	19-11-200
				WO	02065782 A1	22-08-200
				JP	2004519015 T	24-06-200
				US	2002178410 A1	28-11-200
WO	02069148	A	06-09-2002	US	2002120456 A1	29-08-200
				BR	0207553 A	14-09-200
				EP	1417583 A1	12-05-20
				WO	02069148 A1	06-09-20
US	6163765	Α	19-12-2000	TW	420959 B	01-02-20
				WO	9950832 A1	07-10-19
WO	9527976	A	19-10-1995	US	5623609 A	22-04-19
				ΑT	181169 T	15-06-19
				ΑU	688894 B2	19-03-19
				AU	2285095 A	30-10-19
				CA	2187639 A1	19-10-19
				DE	69510197 D1	15-07-19
				EP	0760150 A1	05-03-19
				JP	10500783 T	20-01-19
				WO	9527976 A1	19-10-19
EP	1391876	Α	25-02-2004	EP	1391876 A1	25-02-20
WO	0128240	Α	19-04-2001	US	6469749 B1	22-10-20
				WO	0128240 A1	19-04-20
				EP	1138151 A1	04-10-20
				JP	2003511934 T	25-03-20 
US	5973723	Α	26-10-1999	AU	8589298 A	05-07-19
				WO	9931879 A1	24-06-19
US	5708477	Α	13-01-1998	NONE		
DE	3634750	A	14-04-1988	DE	3634750 A1	14-04-19
				ΑT	75573 T	15-05-19
				DE	3778634 D1	04-06-19
				EP	0264068 A2	20-04-19
				ES	2031867 T3	01-01-19
				GR	3004666 T3	28-04-19
				HK	8396 A	26-01-19